

Fig. 24

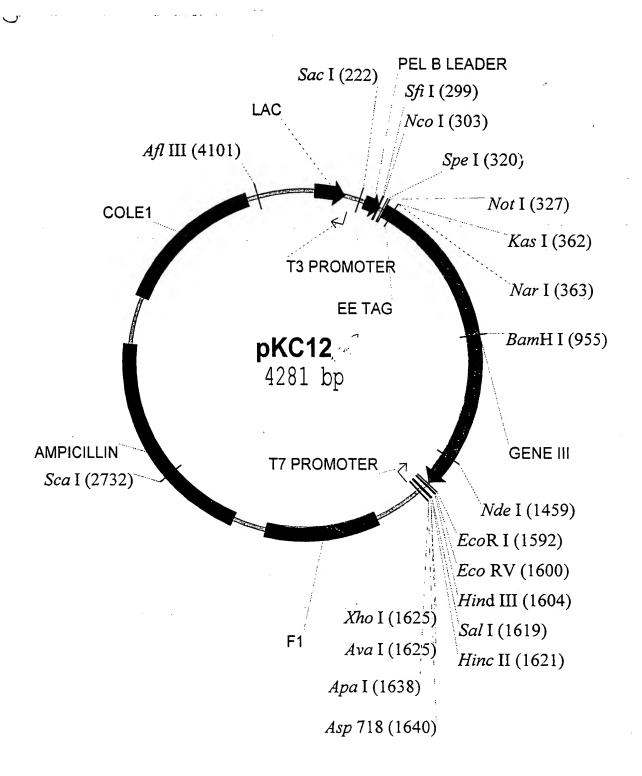
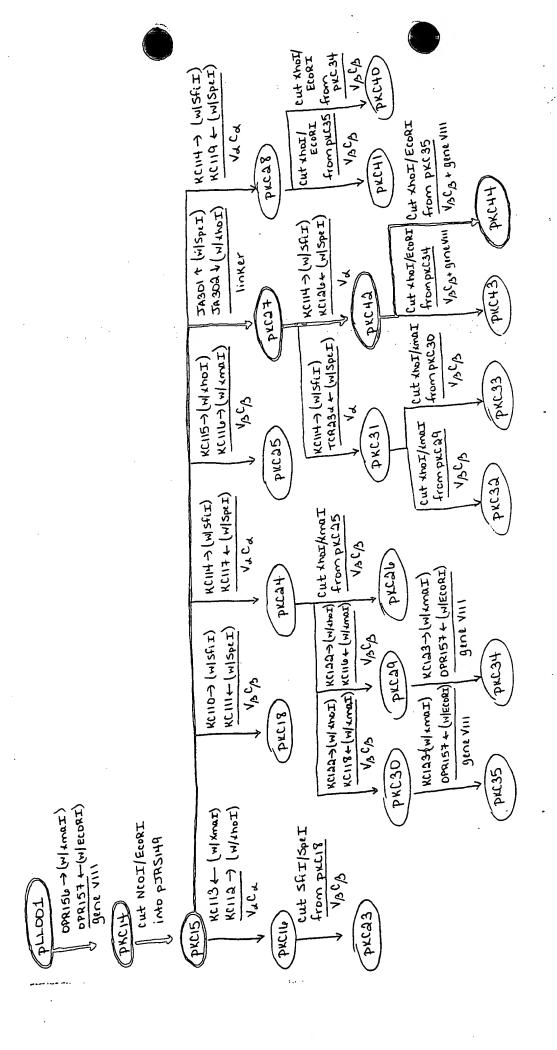


Fig. 18



Mig 2

Pho A PKCHH

r. Si pel B

1 d chain

(64S)4

VACACHAIN 98-5top

Va chain

amber stop VACA chain (G+S)+

PelB L.S.

1962

pkc46

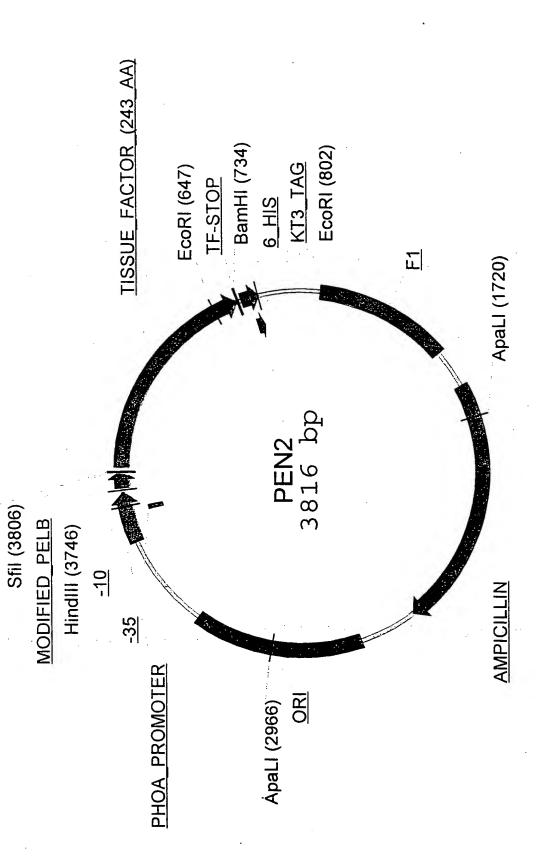
1002 C.1

12C/s chain (645)x Va chain pel 8 L.S

days-86

PKCIZ KC134 4 (W/PStI) KC1354 (WINOTI) to introduce xma I Site PKC45 cut SfiI/xmaI from pkc44 Va + linker + VBCB PKCHL Cut XmaI/ECDRI from pre44 gene VIII PKC51

Ncol (3810)



His N

1937Ac Pho A mod. per Br.s. V& chain (G+S)+ Vs chain EE +ag- 6 his-stops

Eassyd (Pho A mod. pel B L.S. V ≠ chain (G4S)4 Vs chain | EE tag - 98- 6his-stops

mod. pel B L.S. Va Chair (G4S) 4 Vachain EE +ag- g3- Lhis-stops

PKCLS

PhoA

Fig. 6 A

4.01 J.4d pr.C. blo Bo JAd pichil prcho Norta V Ortal Norte Pho A mod. pel B 1. S. prot | mod. priss. S. | Yz elvain (Gas) 1 / VAC persoin | EE 109- 43-Stop mod. pel 33 c.s. mul. pet 13 1.S. molt. pt/13 1.5. VICA Chain (GAS) A YACA CIMIN V. chin (6,15), Vo Chuic (Gas) of VACA Chain EF Lag-Stop 1/200 CINUIN LEE IMJ-Slup 1515 1m1 - 1) 8 - Shop 1:1: 1m1 - 98-Stop

Fij. 63

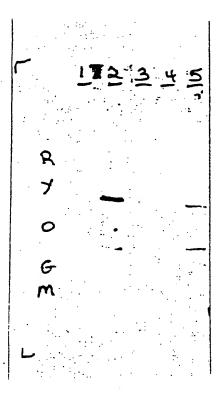


Fig 7

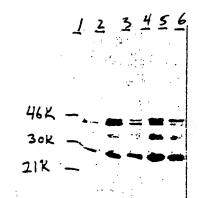


Fig. 8

Affinity Purification of scTCR/geneVIII Fusion Protein

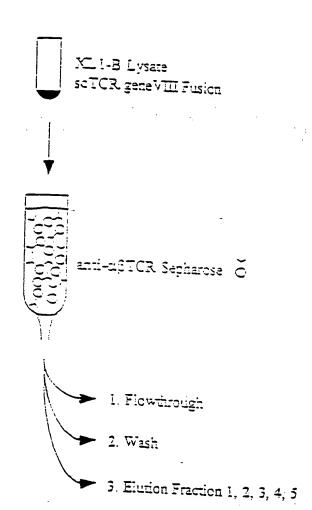


Fig. 9

40

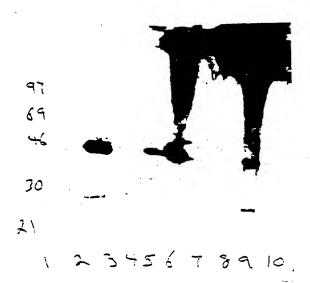


Fig. 10

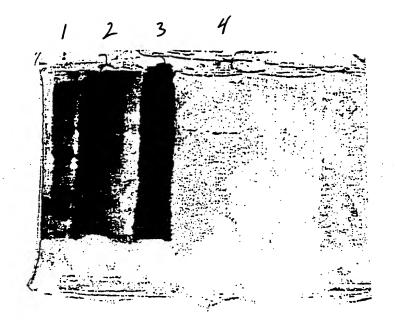
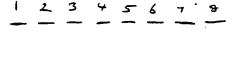
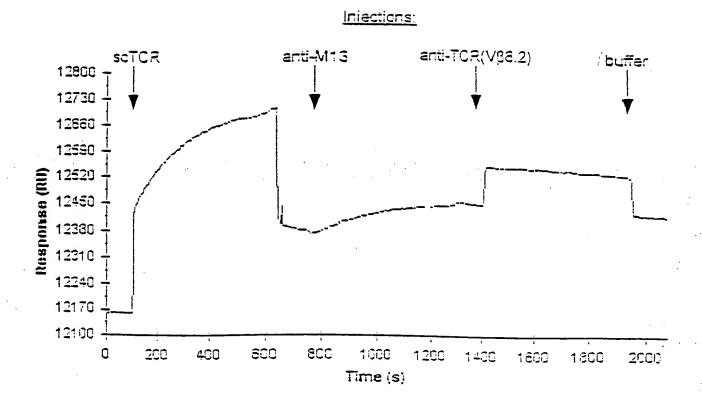


Fig. 11







F.g. 14

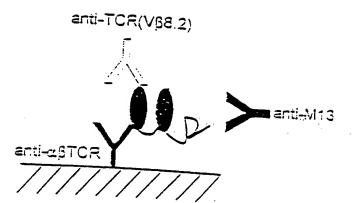
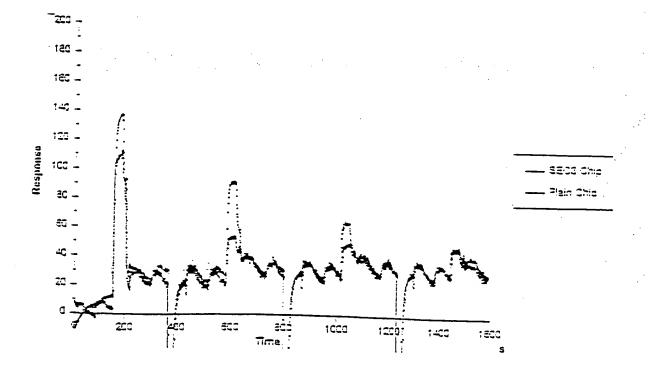
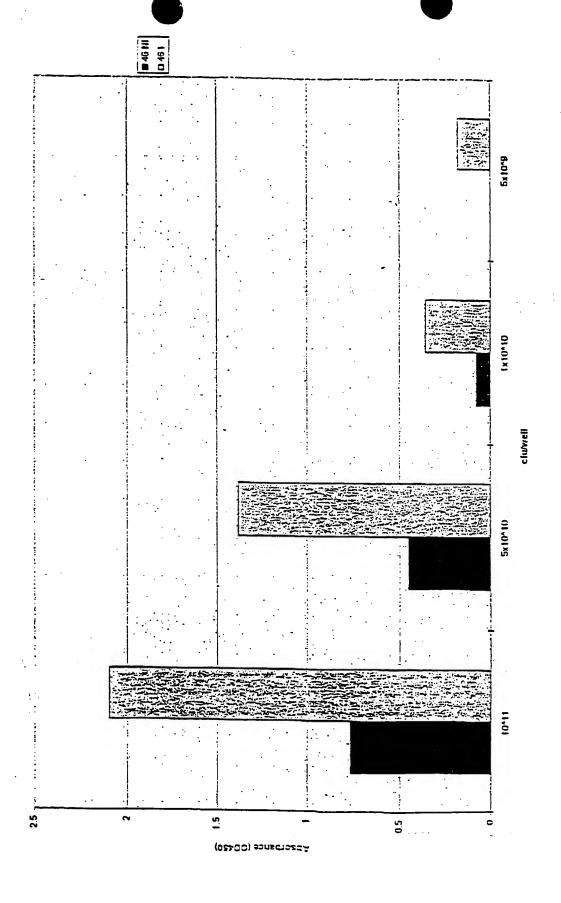
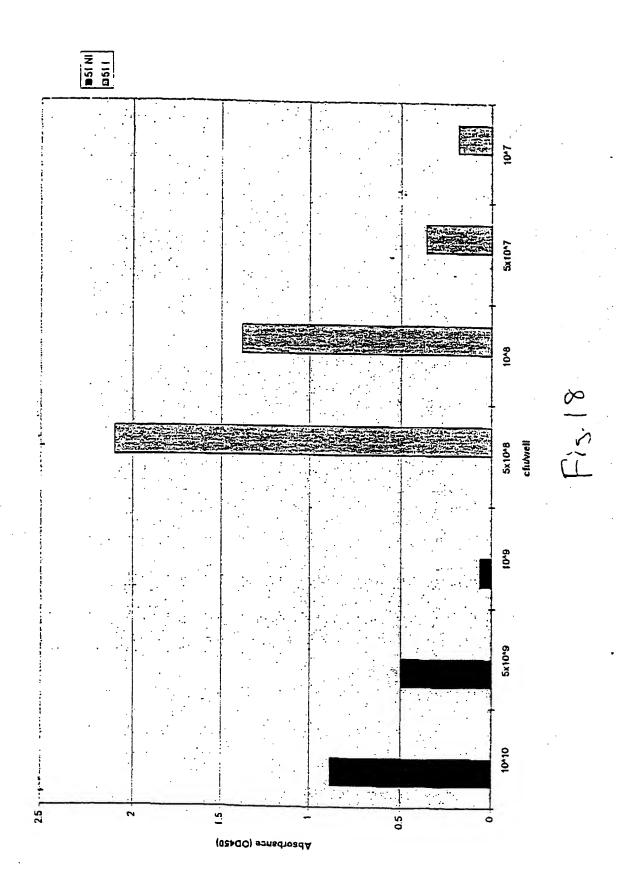


Fig 15





1.5.1



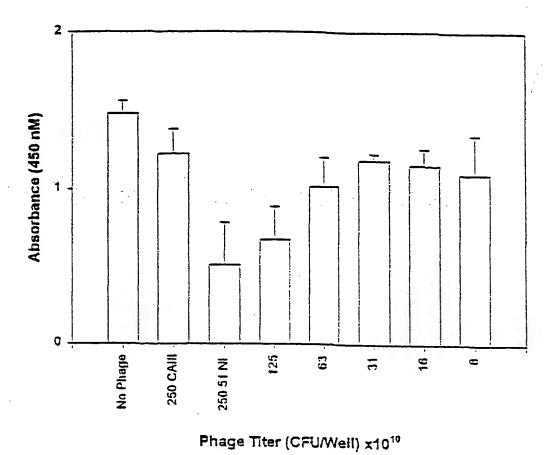
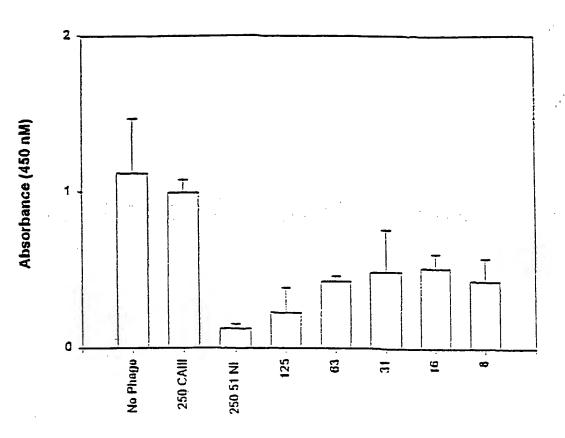


Fig 19-A



Phage Titer (CFU/Well) x10¹⁰

Vy. chuin (6.15)4 Vocpschain EF. 14g- 98-540p tac wild-type L.S. OFTA

wild-4-pe 1.5. 4. chain (6,15),1 /ACA chain 98-5129 רווכ press L Wild-1yper. S. 4 chuin (Gas)4 | 4/2 Chetruin (Gas)a 98-510p tac pkc:12

Fig. 20

Primer	Seq Id No	Sequence (5' to 3')
KC100	001	CGG CCA TGG CCC AGC TGC AGA CTA GTG C
KC101	002	GGC CGC ACT AGT CTG CAG CTG GGC CAT GGC CGG CT
KC110	003	CTC GCG GCC CAG CCG GCC ATG GCC GAG GCT / GCA GTC ACC CAA AGC
KC111	004	CTT CCT CAC TAG TAC AGT CTG CTC GGC CCC AG
KC112	005	GAT GGC CTC GAG GAG CAG GTG GAG CAG CTT
KC113	006	GAC TAG CCC GGG ACA GGG AAC GTC TGA ACT GGG
KC114	007	CTC GCG GCC CAG CCG GCC ATG GCC GAG CAG GTG GAG CAG CTT CCT
KC115	008	CTC GCG CTC GAG GAG GCT GCA GTC ACC CAA AGC
KC116	009	CTC GCG CCC GGG ACA GTC TGC TCG GCC CCA GGC
KC117	010	CTC GCG ACT AGT ACA GGG AAC GTC TGA ACT GGG
KC118	011	CTC GCG CCC GGG GTC TGC TCG GCC CCA GGC
KC119	012	CTC GCG ACT AGT GGG AAC GTC TGA ACT GGG
KC120	013	CTC GCG ACT AGT GTC TGC TCG GCC CCA GGC
KC121	014	CTC GCG CCC GGG GGG AAC GTC TGA ACT GGG
KC122	015	CTC GCG CTC GAG CGA GGC TGC AGT CAC CCA AAG C
KC123	016	GGG GGG CCC GGG GCT GAG GGT GAC GAT CCC

F15. 214

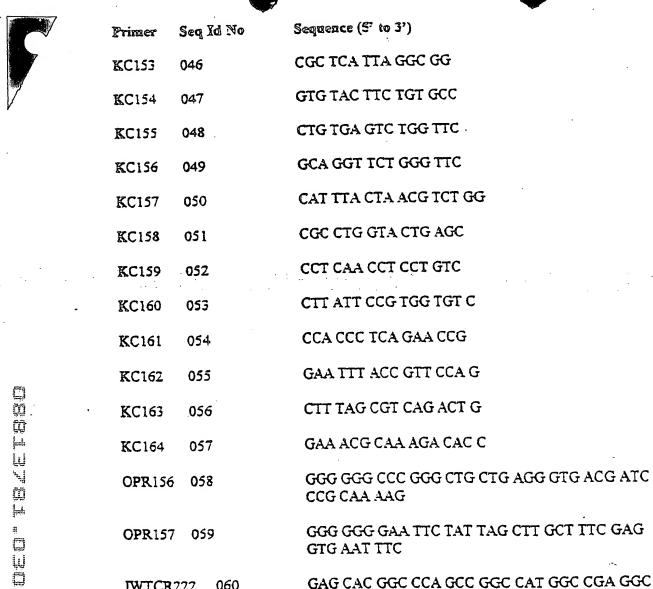


Primer	Seq Id No	Sequence (5' to 3')
KC124	017	CTA GTC TGG TGG CGG TGG CAG CGG CGG TGG TGG TTC CGG TGG CGG CGG TTC TGG CGG TGG CGG TTC C
KC125	018	TCG AGG AAC CGC CAC CGC CAG AAC CGC CGC CAC CGG AAC CAC CGC CGC TGC CAC CGC CAC CAG A
KC126	019	GTG CTC ACT AGT GTT TGG CTC TAC AGT GAG TTT GGT G
KC127	020	GAT GGC TCG AGT GAG CAG GTG GAG CAG CTT CCT
KC128	021	CTA GTC CCC GGG TAC AAC TGT GAG TCT GGT TCC
KC129	022	CTC GAG ACT AGT TAC AAC TGT GAG TCT GGT TCC
KC130	023	CGG CCG AGG AAG AAG AGT ACA TCC CGA TGG ATC
KC131	024	GGG CCA TCC ATC GGG ATG TAC TCT TCT TCC TCG GCC GGC T
KC132	025	CCG GGG AGG AAG AAG AGT ACA TCC CGA TGG ATT GAG
K C133	026	AAT TCT CAA TCC ATC GGG ATG TAC TCT TCT TCC TCC
KC134	027	GCC CGG GAC TAG TGC
KC135	028	GGC CGC ACT AGT CCC GGG CTG CA
KC136	029	CTA GTC CCC GGG TCA TCA AGC GGC GCC TTC CAT CGG CAT GTA CTC TTC TTC CTC TAC AAC TGT GAG TCT GGT TCC
KC137	030	CTA GTC CCC GGG TCA TCA AGC GGC GCC TTC CAT CGG CAT GTA CTC TTC TTC CTC GTC TGC TCG GCC CCA GGC



Primer	Seq Id No	Sequence (5' to 3')
KC138	031	CTA GTC CCC GGG TAC AAC TGT GAG TCT GGT TCC
KC139	032	CCG GGG AGG AAG AAG AGT ACA TGC CGA TGG AAG GCG CCG CTT AGC
KC140	033	CCT CCT TCT TCT CAT GTA CGG CTA CCT TCC GCG GCG AAT CGG GCC
KC141	034	GAT CAG CCC GGG GAG GCT GCA GTC ACC CAA AGC
KC142	035	CTA GTC CCC GGG ACA GTC TGC TCG GCC CCA CCG
KC143	036	CCG GGG AGG AAG AAG AGT ACA TGC CGA TGG AAG GCG CCG CTC
KC144	037	CCT CCT TCT TCT CAT GTA CGG CTA CCT TCC GCG GCG AGG GCC
KC145	038	CGC CGC TCA CCA TCA CCA TCA TCA CTG ATG AC
KC146	039	GGC GAG TGG TAG TGG TAG TGA CTA CTG GGC C
KC147	040	GAT CAG GGC GCC GCT ACT GTT GAA AGT TGT TTA
KC148	041	CTG ATC GGA TCC TCA TTA AAG CCA GAA TGG AAA
KC149	042	CCG GGC TAA GCG GCG CCT TCC ATC GGC ATG TAC TCT TCT TCC TCC
KC150	043	CCG GGA GCG GCG CCT TCC ATC GGC ATG TAC TCT TCT TCC TCC
KC151	044	CCG GGT CAT CAG TGA TGA TGG TGA TGG TGA GCG G
KC152	045	GCT CGA GCT TAC TCC

Fig. 21C



060

061

JWTCR222

JWTCR221

GTC GTC GAT CGG TTC CGG CGG GTT TGG CTC TAC AGT GAG GAT CCC TCC TGG ACA CGC AGG ATG GAA GGA JWTCR220 062 AGC TGC TCC ACC TGC TCA GCA CGA ACA ACA CGG TCG TCG ATC GGT TCC GGC GGG GC CAT GGC CCC GCC GGA ACC GAT CGA CGA CCG JWTCR 219 063 TGT TGT TCG TGC TGA GCA GGT GGA GCA GCT TCC TTC CAT CCT GCG TGT CCA GGA GG

GAG CAC GAG ACT AGT AGC ACG AAC AAC ACG

TGC AGT CAC CC

Frg. 21)



		•
Primer Seq	Id No	Sequence (S to V)
JWTCR218	4	GAG GTG GAA TTC TAT TAA GAC TCC TTA TTA CGC AGT ATG
JWTCR217B		GAG GAG GTG GTG ACT AGT AGC AGG TTC TGG TGG GTT CTG GAT GTT TGG CTC TAC AGT GAG
JWTCR217	300	GAG GAG GTG GTG ACT AGA AGC AGG TTC TGG GTT CTG GAT GTT TGG CTC TAC AGT GAG
JWTCR216	067	GAG GTG GAA TTC TAT TAG TGA TGA TGG TGA TGG TGA GAC TCC TTA TTA CGC
JWTCR215	068	GAG GTG CCC GGG ACT GTT GAA AGT TGT TTA GC
IWTCR214	069	GAG GTG GAA TTC TAT TAG TGA TGA TGG TGA TGG TGG CTT GCT TTC GAG G
JWTCR213	070	GAG GTG GAA TTC TAT TAG CTT GCT TTC GAG G
JWTCR212	071	GAG GTG CCC GGG GCT GAG GGT GAC GAT CCC G
JWTCR211	072	AAT TCT CAT CAG TGA TGA TGG TGA TGG TGC
JWTCR210	073	CCG GGC ACC ATC ACC ATC ACT GAT GAG
JWTCR209	074	GTG GAG CCC GGG TTC CAT CGG CAT GTA CTC TTC TTC CTC TAC AAC TGT GAG TCT GG
JWTCR208	075	GAG GTG GAA TTC TCA CCC GGG TTC CAT CGG CAT GTA CTC TTC TTC CTC GTC TGC TCG GCC CCA G
JWTCR207	076	GAG GTG CTG CAG GTT CCA TCG GCA TGT ACT CTT CTT CCT CGT CTA GAC GGC CCC AGG CCT C
JWTCR206	077	GTG GAG CTG CAG GGT CTA GAC GGC CCC AGG CCT C
JWTCR204	078	GTG GAG CTG CAG GTG ATC CAC CCC CTC CAG ATC CAC CCC CTC CGT CTG CTC GGC CCC AG
JWTCR202	079	GTG GAG AAG CTT TGC CGA GCA GGT GGA GCA GC

Fig. 21E



	:	
Primer Sc	y Id No	Sequence (5' to 3')
JWTCR200A	080	GGG GGG GAG GTG CTC GAG CGA GGC AGC AGT CAC C
JWTCR23A	081	GAG CCC ACT AGT TTG GCT CTA CAG TGA GTT TGG TG
IWTCRI	082	CTA GAC CAG CAA ATC TGC ACC CAC AGA ATC CCT AGG ACA GCT CCC AGG TTC CTC TGC ATG GTG GA
JWTCR2	083	AGC TTC CAC CAT GCA GAG GAA CCT GGG AGC TGT CCT AGG GAT TCT GTG GGT GCA GAT TTG CTG GT
JWTCRG	084	GAT CGG TCT AGA GGT GAG CAG GTG GAG CAG CTT CC
JWTCR4	085	GCC TGG AGA CTC AGC CAT G
JWTCRS	086	GAA GTA CAT GGC TGA GTC TCC
JWTCR6	087	GAT GAA CGT TCC AGA TTC CAT GG
JWTCR7	088	CCC AAA TCA ATG TGC CGA AAA C
JWTCR3	089	CTA GAA CAC AGG AGA CTG GAG AGC ACG AAG AAG AGC CTG GAG CCC ATG GTG GA
JWTCR9	090	GCT CTC CTT GTA GGC CTG AG
JWTCR10	091	GTA CTT CTG TGC CAG CGG TG
JWTCR11	092	GAG CAA TTA TAG CTA CTG CCT G
JWTCR12	093	GGT CTG GAG GCC TTG TAT CC
JWTCR13	094	AGC TTC CAC CAT GGG CTC CAG GCT CTT CTT CGT GCT CTC CAG TCT CCT GTG TT
JA301	095	TCG AGG AAC CGC CAC CGC CAG AAC CGC CGC CAC CGG AAC CAC CAC CGC CGC TGC CAC CGC CAC CA

Fig. 21F

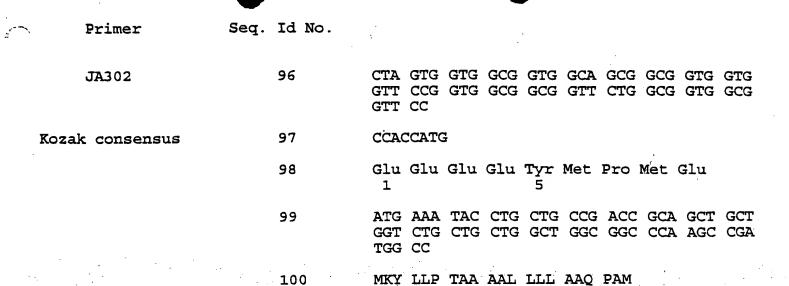


Fig. 21 G

129 130

Seq. Id. No.	ICE-VC FCRAED:	
116	5'- <u>se</u> scontinuomicanora	Vc15,4
117	5'- <u>32-56-00-00-00-00-00-00-00-00-00-00-00-00-00</u>	12,6
118	5'- <u>ce-</u> ccccccmmmccarcarcscasc	1,19
119	5'- <u>@@@@@@@@@@</u> @	ş ,,
120	5'- <u>REGGGGGTTTCKGASGTGAACARGTCC</u>	13,14
121	5'- <u>see</u> coccoccincecceecing	17
122	5'- <u>se</u> sconduio e e rigina e e rigina e e e e e e e e e e e e e e e e e e e	8
123	5'- <u>CC-</u> CCCCCCCCCCCCAAAAAAAAAAAAAAAAAAAAAA	2,13
124	5'- <u>ca</u> ccacacatacacacacac	10
125	5'- <u>CC</u> CCCCCCTTCCC2MCCCCCA2CC2TYC	3,5
126	5'- <u>GB-GGGGGGTTGTGB-CAARCATTG</u> RCAG	7
127	5'- <u>co</u> ccoccoccuronace.coaacieumcae	1:
	TCR-VC BACK:	
<u>1</u> 28	5'- TECHECONGLECCICCEC SCEI	

5/-GGTGG	xelecatacaeleciellicaatecaeacaelia-1.
3'-carca	-ca-castacatas-a-castacatas-s

	103	
	104	
	105	
	106	
· .	107	٠.
	108	
	109	
	110	
	111 -	
Ď.	112	
M.	113	
Ш	•	
1		
Ø		
juda Pada		
#E		
	117	
LJ	114	
	115	

Seq. Id No.	ice-78 fecti:		:
101	5'-CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Vβ2,4	
102	5'-GOOGGOODEMROOMROESE	10,14	(
103	5'-GCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	3	۲
104	5'-GOOGGOODEMPCHGACKEYTEC	11,9	
105	5'-GOOGGOODERGGOOGGOOGGOOGGOOGGOOGGOOGGOOGGOOGGOOGG	13,5-1	
106	5'-GCCCCCCCCCCCAATGCCCCCCCTCATGC	13	
107	5'-GCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	6	
108	5'-GCCCC CCTCCCCCTCCCCCCC	8-3,12	
109	5'-G006 <u>002166</u> 0002111101622-61102-02-02	<u>.</u>	
110	5'-GCCCC CCATCCCCCCA CCCCCCCCCCCCCCCCCCCCCCC	8-1,2,4	
111 -	5/-GCCGCCCTGCCCCCTGCCTCCXXTTTAYCCC	8-5,15	
112	5'-6006 <u>00166</u> 00 02 16016 2 6111201646	16	
113	5 ⁷ -cocce <u>ctrice coencetrate and the second</u>	20	
•• •	· · · · · · · · · · · · · · · · · · ·	·	
	TCR-VB BACK:		•
	Mixture of:		

atwo codors were added, because full length vf20 cDNA was not available.